SEQUENCE LISTING

<110> Stern, David
      Yan, Shi Du

<120> A MODEL OF ALZHEIMER'S-TYPE PATHOLOGY DOUBLE TRANSGENIC
      MICE: ABAD AND APP (MUTANT)

<130> 0575/62176

<140> Not Yet Known
<141> 2000-08-14

<160> 7

<170> PatentIn Ver. 2.1

<210> 1
<211> 261
<212> PRT
<213> RAT

<400> 1
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Gly Gly Ala Ser Gly Leu Gly Leu Ser Thr Ala Lys Arg Leu Val Gly
            20                  25                  30

Gln Gly Ala Thr Ala Val Leu Leu Asp Val Pro Asn Ser Glu Gly Glu
            35                  40                  45

Thr Glu Ala Lys Lys Leu Gly Gly Asn Cys Ile Phe Ala Pro Ala Asn
      50                  55                  60

Val Thr Ser Glu Lys Glu Val Gln Ala Ala Leu Thr Leu Ala Lys Glu
65                  70                  75                  80

Lys Phe Gly Arg Ile Asp Val Ala Val Asn Cys Ala Gly Ile Ala Val
                  85                  90                  95

Ala Ile Lys Thr Tyr His Glu Lys Lys Asn Gln Val His Thr Leu Glu
               100                 105                 110

Asp Phe Gln Arg Val Ile Asn Val Asn Leu Ile Gly Thr Phe Asn Val
               115                 120                 125

Ile Arg Leu Val Ala Gly Val Met Gly Gln Asn Glu Pro Asp Gln Gly
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Gly Gln Arg Gly Val Ile Ile Asn Thr Ala Ser Val Ala Ala Phe Glu
145   150   155   160

Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala Ser Lys Gly Gly Ile Val
                165   170   175

Gly Met Thr Leu Pro Ile Ala Arg Asp Leu Ala Pro Ile Gly Ile Arg
          180   185   190

Val Val Thr Ile Ala Pro Gly Leu Phe Ala Thr Pro Leu Leu Thr Thr
          195   200   205

Leu Pro Asp Lys Val Arg Asn Phe Leu Ala Ser Gln Val Pro Phe Pro
    210   215   220

Ser Arg Leu Gly Asp Pro Ala Glu Tyr Ala His Leu Val Gln Met Val
225   230   235   240

Ile Glu Asn Pro Phe Leu Asn Gly Glu Val Ile Arg Leu Asp Gly Ala
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Ile Arg Met Gln Pro
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<210> 2
<211> 261
<212> PRT
<213> Human

<400> 2
Met Ala Ala Ala Cys Arg Ser Val Lys Gly Leu Val Ala Val Ile Thr
  1   5   10   15

Gly Gly Ala Ser Gly Leu Gly Leu Ala Thr Ala Glu Arg Leu Val Gly
              20   25   30

Gln Gly Ala Ser Ala Val Leu Leu Asp Leu Pro Asn Ser Gly Gly Glu
        35   40   45

Ala Gln Ala Lys Lys Leu Gly Asn Asn Cys Val Phe Ala Pro Ala Asp
    50   55   60

Val Thr Ser Glu Lys Asp Val Gln Thr Ala Leu Ala Leu Ala Lys Gly
65   70   75   80

Lys Phe Gly Arg Val Asp Val Ala Val Asn Cys Ala Gly Ile Ala Val
                85   90   95

Ala Ser Lys Thr Tyr Asn Leu Lys Lys Gly Gln Thr His Thr Leu Glu
            100   105   110

Asp Phe Gln Arg Val Leu Asp Val Asn Leu Met Gly Thr Phe Asn Val
            115   120   125

Ile Arg Leu Val Ala Gly Glu Met Gly Gln Asn Glu Pro Asp Gln Gly
        130   135   140

Gly Gln Arg Gly Val Ile Ile Asn Thr Ala Ser Val Ala Ala Phe Glu
145   150   155   160

Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala Ser Lys Gly Gly Ile Val
                165   170   175

Gly Met Thr Leu Pro Ile Ala Arg Asp Leu Ala Pro Ile Gly Ile Arg
            180   185   190

Val Met Thr Ile Ala Pro Gly Leu Phe Gly Thr Pro Leu Leu Thr Ser
        195   200   205

Leu Pro Glu Lys Val Cys Asn Phe Leu Ala Ser Gln Val Pro Phe Pro
    210   215   220

Ser Arg Leu Gly Asp Pro Ala Glu Tyr Ala His Leu Val Gln Ala Ile
225   230   235   240

Ile Glu Asn Pro Phe Leu Asn Gly Glu Val Ile Arg Leu Asp Gly Ala
                245   250   255

Ile Arg Met Gln Pro
            260

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<211> 973
<212> DNA
<213> Human

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cagggagcct ctgctgtgct tctggacctg cccaactcgg gtggggaggc ccaagccaag 180
aagttaggaa acaactgcgt tttcgcccca gccgacgtga cctctgagaa ggatgtgcaa 240
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3

```
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gctggtgaga tgggccagaa tgaaccagac cagggaggcc aacgtggggt catcatcaac 480
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aaaaaaaaaa aaa                                                    973
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<210> 4
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<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR Primers

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<210> 5
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR Primers

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<210> 6
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR Primers

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<210> 7
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      PCR Primer

<400> 7
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